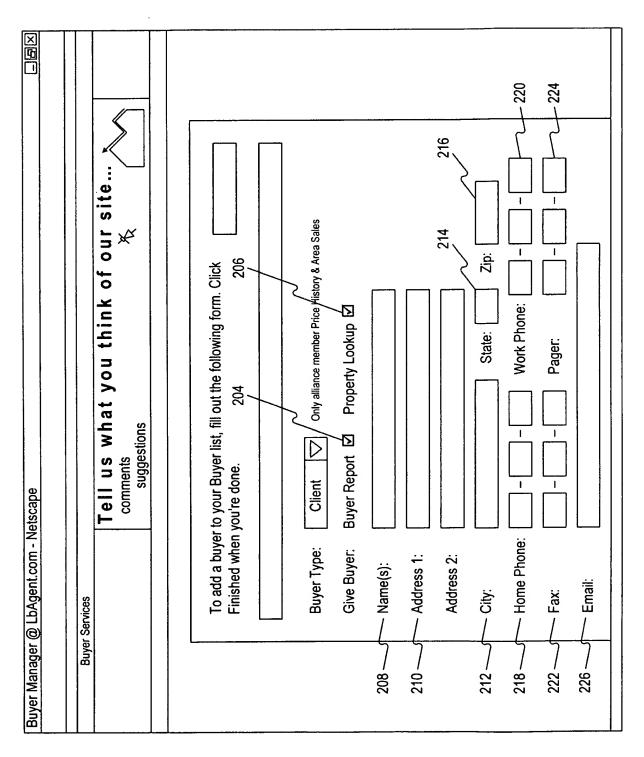
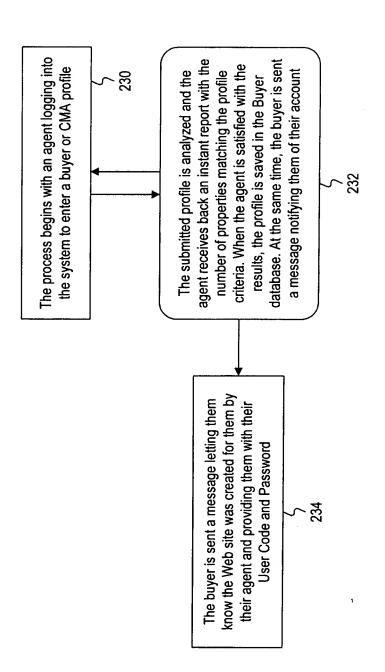


FIG. 1





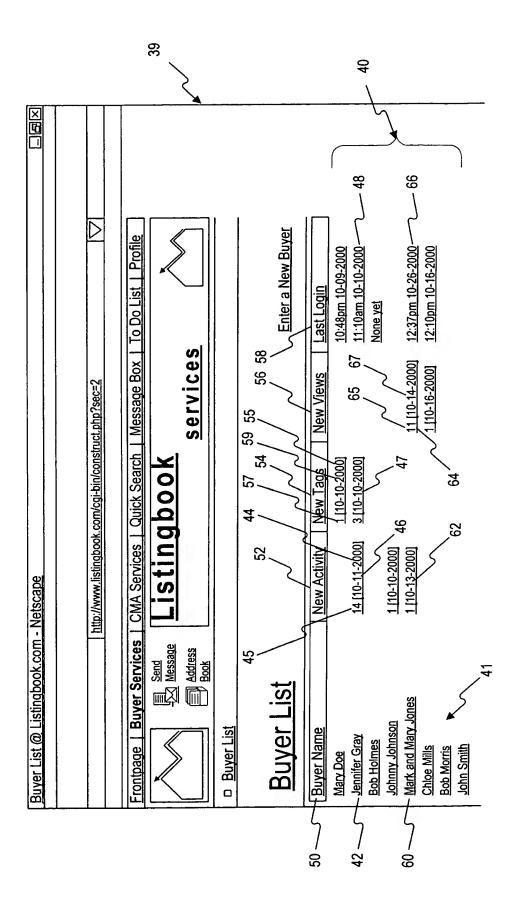


FIG. 20

4													-		D
					.72										
Profile			D		] Tag ,	7									С
			Date	S	DOM	25	25	62	84	32	123	119	300	28	;
To Do List	S		Order Update Date	ct Match Pending Sale		\$180,900	\$170,500	\$212,000	\$134,900	\$274,900	\$129,900	\$299,950	\$214,900	\$284,900	404000
11	services		Order	-	LvIs BdRm Bath Age Sq Ft Price	2465	1957	2370	1820	3434	1300	3053	2096	2700	000
Message Box	ľV			Perfe Active	Age	9	7	15	13	လ	∞	2	2	80	c
Mes	se		ij		Bath	2.1	2.1	5.1	2.1	2.1	2.0	3.1	2.1	2.1	č
두			հատեու		3dRm	4	4	က	က	4	က	4	က	4	r
Quick Search	0		One line I <u>Ihumbnail</u>		Lvis	1.5	2.0	5.0	2.0	2.0	1.0	5.0	2.0	1.5	c
CMA Services   Quic	Listingbook	→ Home Finder Results	pages One li	s to view property details	Sub-Division	Polo View	Wilderness Pond	Williamsburg South	Provincetowne	Orchid Hill	South Point	Bend Ck	Orchid Hill	Pullengreen	14812
Frontpage   Buyer Services	Send Message On D C C C C C C C C C C C C C C C C C C	<u>e</u>	254 Properties in 9	Click on the address	Address	A 6638 Flat Creek Dr.	A 11708 Kilpatrick Ln.	A 10731 Fairway Ridge Rd.	A 11207 Fox Mill Ln.	A 6614 Red Maple Dr.	A 12300 Old Prairie Rd.	[A] 10825 Megwood Dr.	(A) 8734 Red Maple Dr.	A 10417 Pullen Green Dr.	٠٠٠ -١٠٠ ١٠٠٠ ١٠٠٠ ١٠٠٠ ١٠٠٠

FIG. 3

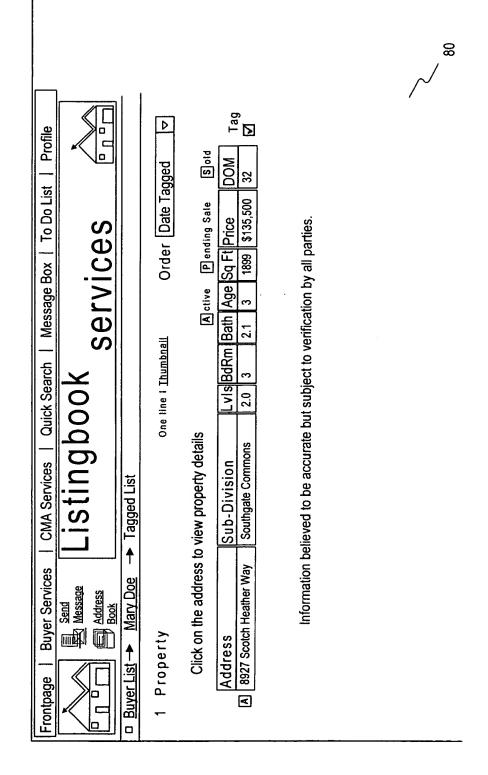


FIG. 4

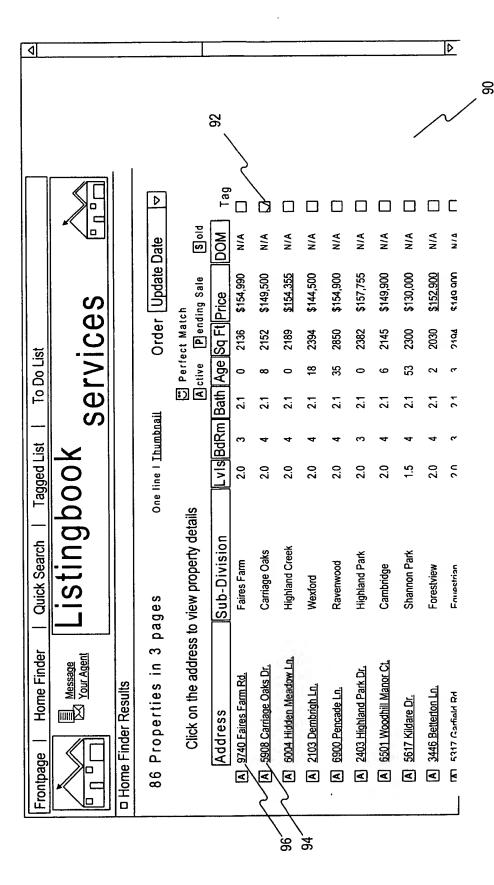


FIG. 5

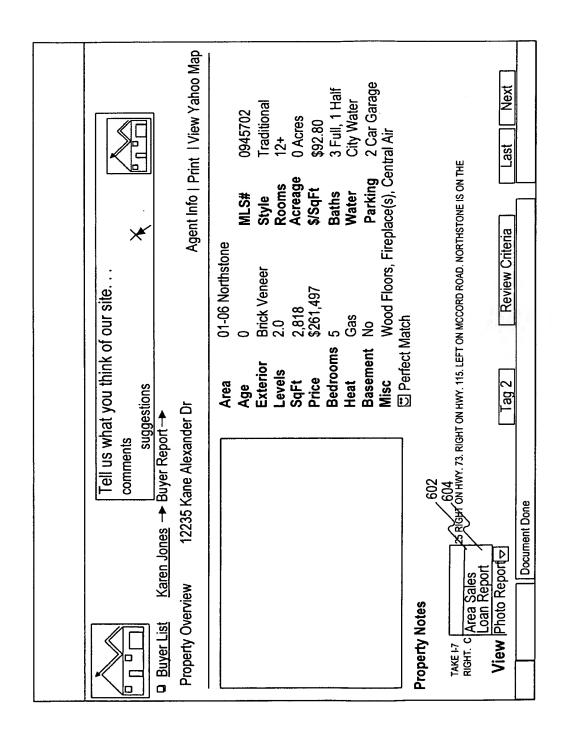


FIG. 6A

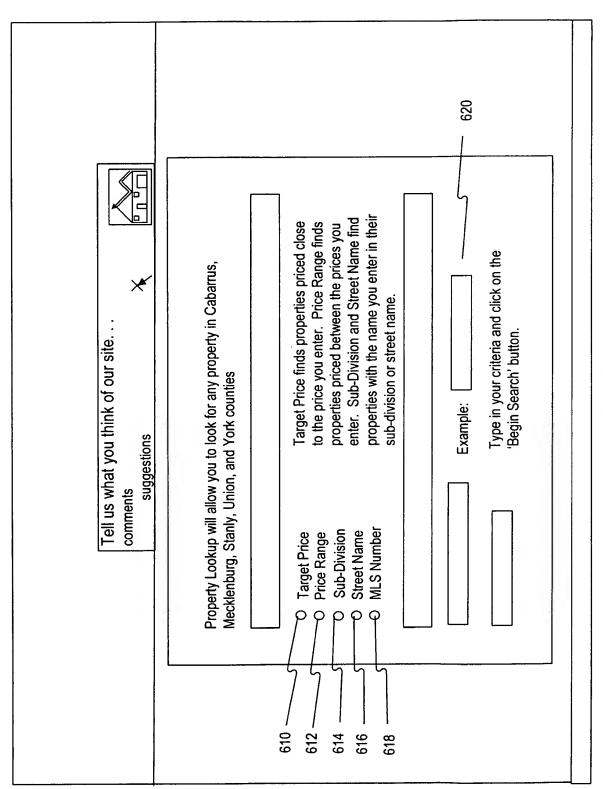


FIG. 6B

en a Property Lookup request is received, the

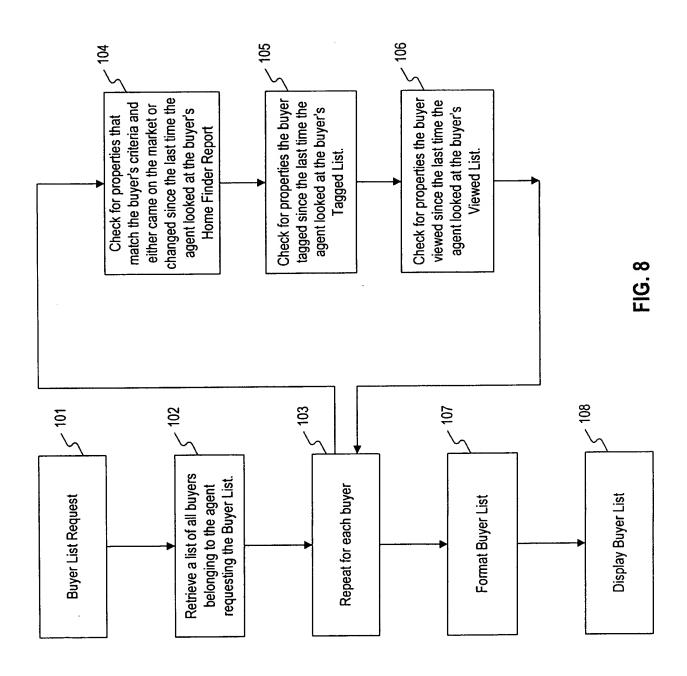
When a Property Lookup request is received, the system queries the Buyer Database for the Buyer's MLS areas. Next, it queries the Areacnty Database to determine counties corresponding to the buyer's MLS areas. A Property Lookup page is then returned to the buyer with the lookup counties indicated at the top of the page. When the buyer submits the Property Lookup form, the form is checked for completeness and returned to the buyer if any required information is missing. Finally, the system queries the For Sale Database for properties located in the counties indicated that match the

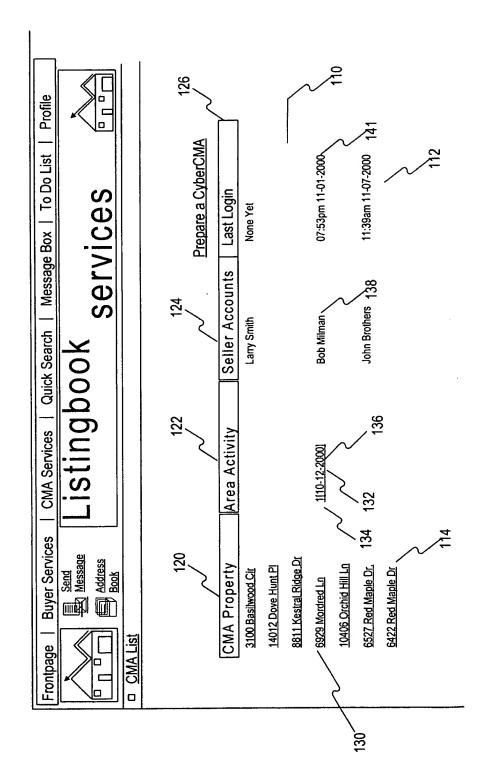
632

FIG. 6C

٥													,	~ ~/	3
Profile					Tag								/ _		
$\ -\ $			swed	PIO S	MOQ	74	38	113	69	73	91	147	163	383	250
To Do List	S		Order Date Viewed	P ending Sale	Price	\$149,900	\$194,900	\$160,000	\$191,000	\$200,000	\$199,900	\$199,900	\$199,900	\$199,000	\$154,990
	services		Orde	<b>P</b>	Sq Ft Price	2146	2273	2140	2645	2273	2240	2800	2344	2576	2136
Message Box	2			Active	Age	3	4	7	0	4	က	13	25	Ξ	0
Mes	Se		ija	⋖	Bath	2.1	2.1	2.1	2.1	2.1	2.1	4.0	2.1	2.1	2.1
년 년			ndmnd		LvIs BdRm Bath Age	4	4	က	4	4	4	က	က	က	က
Quick Search	0		One line I <u>Thumbnail</u>		Lvis	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5	2.0	2.0
CMA Services   Quid	Listingbook	y Jones → Viewed List	One	address to view property details	Sub-Division	Forestview	Winslow Bay	Winslow Bay	Winslow Bay	Winslow Bay	Blue Stone Harbor	Prospect Hills	N/A	Catawba Springs	Faires Farm
Frontpage   Buyer Services	Send Message Message Address Book	<ul> <li>□ Buyer List → Mark and Mary Jones</li> </ul>	30 Properties	Click on the address	Address	A 5317 Crisfield Rd.	A 143 Comata Rd.	S 129 Comata Rd.	S 112 Alameda Circle	A 147 Sandreed Dr.	A 19700 Valiant Way	A 7313 Price Point Dr.	A 1186 Hwy 18 N	A 4111 Pinecrest Dr.	A 9740 Faires Farm Rd.

FIG. 7





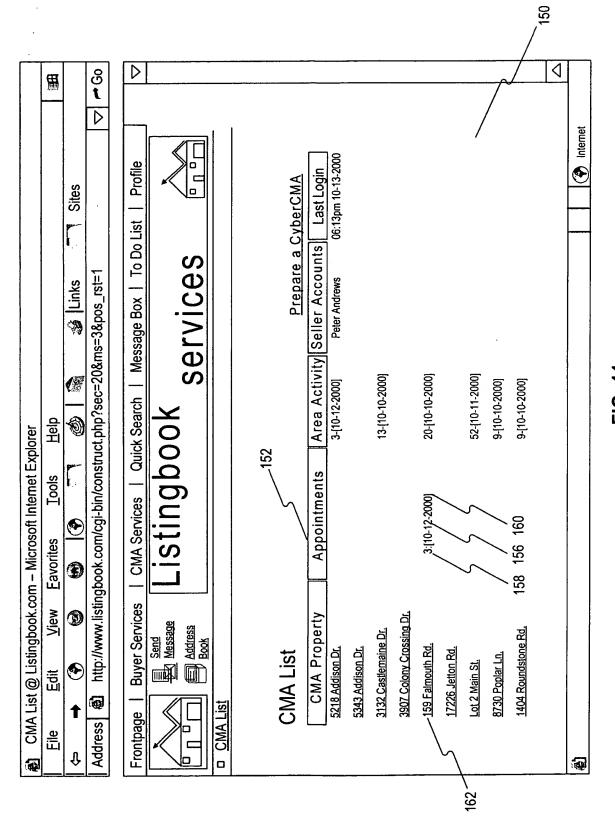


FIG. 11

Column Name	Type	Length	
Νď	rch	110	< Buyer's Password
in_ts	datetime	8	Buye
login_ts	datetime	8	Time of Buyer's Las
name	varchar	40	1
email	varchar	100	's E-mai
first_name	varchar		's First Name
uid	varchar		ຶນ
adrl	varchar	30	ر د د
adr2	varchar		r's Address
city	varchar	20	< Buyer's City
state	varchar	15	S
diz	varchar	თ	S
wk1	varchar	М	<u>က</u>
wk2	varchar	۳	's Work Phone 1st 3 Di
wk3	varchar	4	's Work Phone last 4 Digi
hml	varchar	M	's Home Phone Area Code
2 mg	varchar	3	Phone 1st 3 Di
hm3	varchar	4	's Home Phone last 4 Digi
pagerl	varchar	۳	's Pager Area Code
pager2	Ø	3	's Pager 1st 3 D
pager3	varchar	4	last 4 Digi
raxi	varchar	<u>٣</u>	's Fax Area Code
rax2	varchar	٣	's Fax 1st
fax3	varchar	4	's Fax last 4 Digi
status	varchar	-	r's Status (Client o
_repo	varchar	<b>~</b>	Set Buyer Access to
ທ	varchar	-	Set Buyer Access to search
ch id	numeric	10	Search Criteria
ew_ID_ts	atet	8	Last Checke
view_tags_ts	datetime	80	Last Checked Tagge

Column Name	Туре	Length	
rch_id	numeric	10	- < Links Profile To Buver
owner_uid	varchar	10	< Agent's User ID
ப	varchar	2	>
	varchar	10	< Minimum Price
price_high	varchar	10	< Maximum Price
chg_ts	datetime	80	< Date/time to check for changes
like_crt_id	varchar	200	< Criteria the Buyer Wants
must_crt_id	varchar	200	< Criteria the Buyer Must Have
	varchar	255	< MLS areas in which Buyer is Looking
adv_area	varchar	255	< Other Areas in which Buyer is Looking
- 3	datetime	80	< last time agent viewed homefinder
first_name	varchar	25	< Buyer's Agent's First Name
last_name	varchar	40	< Buyer's Agent's Last Name
	datetime	8	< last time agent accessed tag list
a_view_views_ts	datetime	80	< last time agent accessed viewed list
create_ts	datetime	80	< When Profile Was Created
areas	text	16	(Not relevent to Buyer List)
a_num_views_lb	int	4	< Times Agent Accessed Service

•	4	4	۲
•	7		-
(	C	•	;
	ī	ī	_

Column Name	Type		
uid mlno num views last view sid profile id last view ts not seen	varchar varchar int numeric numeric datetime	10 10 10 10 8	<pre> Buyer's User Id &lt; MLS Listing Number (Not relevent to Buyer List) &lt; checked to find views that the agent has</pre>

5
~
9
ш

	<pre>&lt; Buyer's Profile ID &lt; Buyer's User Id &lt; Whether Agent or Buyer Tagged Listing &lt; checked to find tags that the agent has</pre>	< Listing's MLS Number
Length	100	10
Type	eric char char	varchar
Column Name		mlno

Column Name	Туре	Length
mlno		10
ml_stat	char	1
ptype	char varchar	6
st_no	varchar	29
st unit_num	varchar	5
city	varchar	30
county	varchar	20
tax_loc	varchar	20
deed_ref	varchar	10
pr	int	4
office_code	varchar	6
agt	varchar	6
list_phone	varchar	14
area	varchar  varchar	2
sub_area	varchar	25
sectn elem sch	varchar	15
midd_sch	varchar	15
high_sch	varchar	15
excl rt	varchar	1
sub_a_co	varchar	10
hoa	varchar	3
bd_rm	tinyint	1
bt_rm_full	tinyint	1
pc_rm_nair	tinyint	1
t_sq	int	4
addtl_sq	int	4
totuhsq	int	4
h_bs_sq h_lo_sq	int	4
h_mn_sq	int	4
h up sq	int	4
uh_bs_sq	int	4
uh_lo_sq	int	4
uh_mn_sq	int	4
uh_up_sq	int	4
buy_a_c	varchar	10
complete	datetime datetime	8
ls_dte	varchar	30
tax_num zip_code	varchar	5
zip_code_p4	varchar	4
acreage	float	8
zoning	varchar	7
tax_value	float	8
comp_code	varchar	8
ann_tax	float	8
sell_phone	varchar varchar	14 25
sell_name	varchar	30
leg_desc new_const	varchar	11
ext rm	varchar	15
srce_sqft	varchar	4
lot_size	varchar	30
main_br2	varchar	1
main_br3	varchar	12
main_br4	varchar	11

Column Name (Cont)	Туре	Length
main eh	varchar	11
main lr	varchar	1
main dr	varchar	1
main kt	varchar	1
main bk	varchar	1
main dn	varchar	
main gr	varchar	1
main rc	varchar	1
main_br	varchar	1
main fb	varchar	1
main_hb	varchar	1
up_fb	varchar	1
up_hb	varchar	1
low_fb	varchar	1
low_hb	varchar	1
bm_fb	varchar	1
bm_hb	varchar	1
exp_date	datetime	8
p_dte	datetime	8
s_dte	datetime	8
s_pr	int	4
s_moff	varchar	4
s_off	varchar	6
s_agt	varchar	6
sldterm	varchar	10
sldcont	float	8
out_dte	datetime	8
feat1	varchar	18
feat2	varchar	18
feat3	varchar	18
feat4	varchar	18
feat5	varchar	18
feat6	varchar	30
feat7	varchar	30
feat8	varchar	18
feat9	varchar	48
feat10	varchar	48
featll	varchar	30   48
feat12 feat13	varchar varchar	30
feat14	varchar	30
feat15	varchar	18
feat16	varchar	30
feat17	varchar	18
feat18	varchar	18
feat19	varchar	48
feat20	varchar	48
actn dte	datetime	8.
init_pr	int	4
last_pr	int	4
cplx nme	varchar	30
which fl	varchar	15
land_incl	varchar	1
sh st	varchar	29
change_ts	datetime	8 < checked to find activity agent not seen
change_wch	varchar	10
pchg_ts	datetime	8
built_ts	datetime	18

Column Name	Туре	Length
pw	varchar	+   10
in ts	datetime	8
login_ts	datetime	8 < Checked for recent login
name	varchar	40
email	varchar	100
first_name	varchar	25
uid	varchar	10
adr1	varchar	30
adr2	varchar	30
city	varchar	20
state	varchar	15
zip	varchar	9
wkl	varchar	3
wk2	varchar	3
wk3	varchar	4
hm1	varchar	3
hm2	varchar	3
hm3	varchar	4
pager1	varchar	3
pager2	varchar	3
pager3	varchar	4
faxl	varchar	3
fax2	varchar	3
fax3	varchar	4
grant_a_comps	varchar	1
grant_o_comps	varchar	1
grant_search	varchar	1
cma_id	numeric	10 < Links seller to CMA profile
view_off	datetime	8
view_active	datetime	8

Column Name	Туре	Lengt	h						
cma id	numeric	10							
owner uid	varchar	10							
status	varchar	1							
create ts	datetime	8							
chg ts T	datetime	8							
mlno	varchar	10							
st_num	varchar	10							
st_name	varchar	30							
prop_type	varchar	5							
price_low	varchar	10							
price_high	varchar	10							
area_crt_id	varchar	255							
sub_div	varchar	40							
bedrooms	varchar	5							
full_baths	varchar	5							
half_baths	varchar	5							
heated_space	varchar	10							
acreage	varchar	10							
age	varchar	10							
levels_crt_id	varchar	10							
exterior_crt_id	varchar	10							
<pre>basement_crt_id</pre>	varchar	10							
heat_crt_id	varchar	10							
water_crt_id	varchar	10							
parking_crt_id	varchar	10							
misc_crt_id	varchar	255							
zip_sell	varchar	10							
s_area_active	varchar	1							
s_area_off	varchar	1							
s_level_active	varchar	1							
s_level_off	varchar	1							
a_view_off	datetime	8							
a_view_active	datetime	8							
price_suggested	varchar	10							
a_view_activity	datetime	8	<	Last	time	agent	viewed	area	activity

Column Name	Туре	Length
mlno	varchar	110
ml_stat	char	1
ptype	char	1
st_no	varchar	6
st	varchar	29
unit_num	varchar	5
city	varchar	30
county	varchar	20
tax_loc	varchar	20
deed_ref	varchar  int	10
pr office_code	varchar	6
agt	varchar	6
list_phone	varchar	14
area	varchar	2
sub area	varchar	2
secīn	varchar	25
elem_sch	varchar	15
midd_sch	varchar	15
high_sch	varchar	15
excl rt	varchar	1
sub_a_co	varchar	10
hoa	varchar	3
bd_rm	tinyint	1
bt_rm_full bt_rm_half	tinyint	1
t_sq	tinyint int	4
addtl sq	int	4
totuhsq	int	4
h_bs_sq	int	4
h lo sq	int	4
h_mn_sq	int	4
h_up_sq	int	4
uh_bs_sq	int	4
uh_lo_sq	int	4
uh_mn_sq	int	4
uh_up_sq	int	4
buy_a_c complete	varchar	10 8
ls dte	datetime datetime	8
tax_num	varchar	30
zip_code	varchar	5
zip_code_p4	varchar	4
acreage	float	8
zoning	varchar	7
tax_value	float	8
comp_code	varchar	8
ann_tax	float	8
sell_phone	varchar	14
sell_name leg_desc	varchar	25
	varchar varchar	30 1
new_const ext_rm	varchar	15
srce_sqft	varchar	4
lot_size	varchar	30
main_br2	varchar	1
main_br3	varchar	1
main_br4	varchar	1

FIG. 19A

```
Column Name (Cont)
                        Туре
                                    Length
 main_eh
                        varchar
 main_lr
                         varchar
 main_dr
                        varchar
                                     1
                                     1
 main_kt
                        varchar
 main_bk
                        varchar
 main_dn
                        varchar
                                     1
main_gr
                        varchar
                                     1
main_rc
                        varchar
                                     1
 main_br
                        varchar
                                     1
 main_fb
                        varchar
                                     1
 main_hb
                        varchar
                                     1
 up_fb
                        varchar
                                     1
up_hb
                        varchar
                                     1
 low_fb
                        varchar
                                     1
low_hb
                        varchar
                                     1
                        varchar
                                     1
bm hb
                        varchar
exp_date
p_dte
s_dte
                                     8
                        datetime
                        datetime
                                    8
                        datetime
                                    8
                                          <-- Used to find prop. sold in last 30 days
s_pr
                        int
                                     4
s_moff
                        varchar
s_off
                        varchar
                                     6
s_agt
                        varchar
sldterm
                        varchar
                                    10
sldcont
                        float
                                    8
out_dte featl
                        datetime
                                    8
                        varchar
                                    18
feat2
                        varchar
                                    18
feat3
                        varchar
                                    18
feat4
                        varchar
                                    18
feat5
                        varchar
                                    18
feat6
                        varchar
                                    30
feat7
                        varchar
                                    30
feat8
                        varchar
                                    18
feat9
                                    48
                        varchar
feat10
                        varchar
                                    48
feat11
                        varchar
                                    30
feat12
                        varchar
                                    48
feat13
                        varchar
                                    30
feat14
                        varchar
                                    30
feat15
                        varchar
                                    18
feat16
                        varchar
                                    30
feat17
                        varchar
                                    18
feat18
                        varchar
                                    18
feat19
                        varchar
                                    48
feat20
                        varchar
                                    48
actn_dte
                        datetime
                                    В
init_pr
                       int
last_pr
cplx_nme
which_fl
land_incl
                       int
                       varchar
                                    30
                       varchar
                                    15
                       varchar
                                    1
sh_st
                       varchar
                                    29
                                          <-- Used to find prop. changes in last 30 days
change_ts
                       datetime
                                    8
change_wch
                       varchar
                                    10
pchg_ts
built_ts
                       datetime
                                    8
                       datetime
                                   8
```

Frontpage @ LbSeller.com - Netscape	- Netscape					×
144	Eavorites Tools	Help		:	<u> </u>	-
pt	http://www.LbSeller.com/cgi-bin/s viewer.php	-bin/s viewer.php		$\triangleright$		
   Frontpage   For Sale Comps	Sold Comps   Prope	Property Lookup   CyberCMA   To Do List   Help	To Do List   Help			
	Telluswl comments suggestions	Tell us what you think of our site comments suggestions	ık of our si ※	te	5	
□ Frontpage						
Karen Wenberg	From:	Bob Mimed	Click here to print			D
User Code BO1958 Last Login 4:24am Apr 05, 2000 Web Browser Excellent	Date: Subject:	5:09 pm Apr 05, 2000 Showing Saturday				
Inbox	I've arranged again this Sat	I've arranged for us to visit the 2970 Kedron Ct property again this Saturday at 5:00 p.m.	edron Ct property			
Total mook is emply.	l'II meet you a	I'll meet you at the office so we can drive over in my car.	ive over in my car.			<del> –</del>
Need Help? Give us a call at						
	Please Note This is the last tin	Please Note This is the last time you will be able to read this message. If you would like to keep it for future reference please print his page	is message. If you e print his page.			10
		į			Internet	

FIG. 20

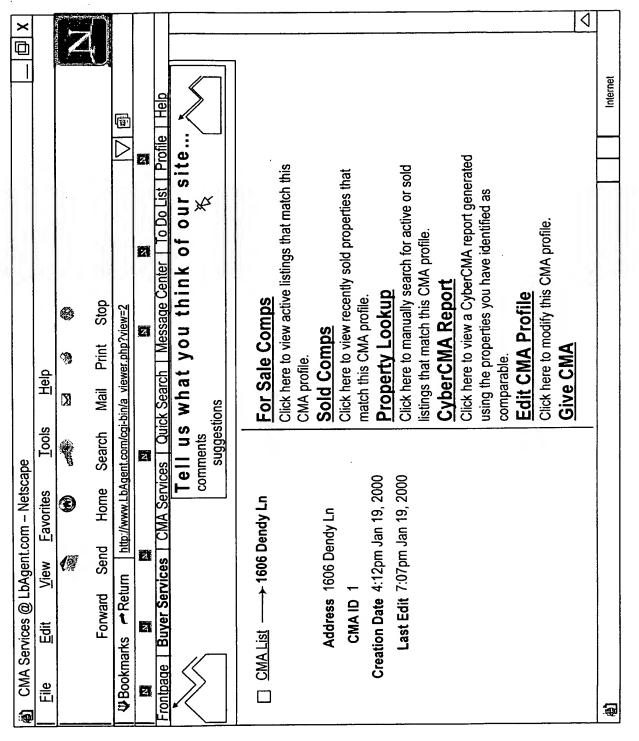


FIG. 21

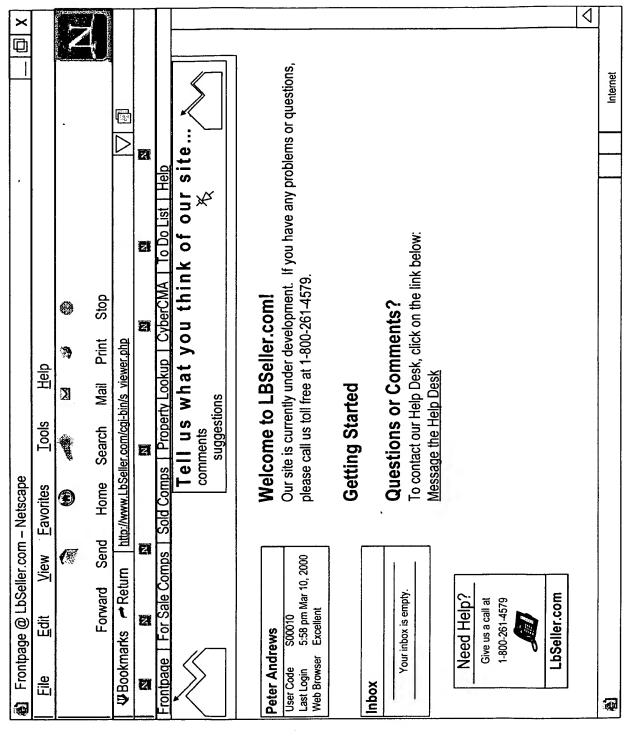


FIG. 22

## CyberCMA Rei s and Query Rules

## I. CyberCMA Reports

## CyberCMA Report

		SUI	JECT	PROPE	RTY					
	SUB									
234 Knob View	Ct. Knob	View	2.0	4	3.1	8	4320	N/A	n/a	N/X
				PROPE						
	SUB									
913 Knob View	Ct. Knob	View	2.0	5	4.1	9	4376	419,500	95.86	220
120 Glousman	Rd Willow	w Gle	2.0	4	3.1	10	4283	444,900	103.88	84
VERAGE LISTS:	432,200	AVERAG	3E \$/1	SQ. PT.	ı 99	. 83	AVER	age marke	T TIME:	152
		SOLI	PRO	PERTIE	18					
	LVL									
509 Barringto	n Way 2.	5	4.2	8	4650	469	,900	425,000	91.40	124
234 Allistair	Road 2.	5	5.0	10	4840	480	,000	450,000	92.98	83
VERAGE LIST\$:	474,950	AVERAG	BE \$/2	3Q.FT.	: 10	0.10	AVER	age warke	T TIME:	104
VERAGE SALES:	437,500	AVERAG	IR \$/1	9Q. PT.	ı 92	. 20	SALE	\$ TO LIST	\$: 92%	
						_				
						2	437,5	00	0450	
Sold		.000							- 3430,	1
Properties	LO Pi	1108				•	Avera	ge	RI PE	rce
							,200			
c Sale	\$419,50	0							\$444,90	0
Properties	Lo Pric	:0				yae:	rage	:	Hi Pric	•
			*430	300						
Subject	4398.300 -		4407,		84	132.5	00			
Property	Lo Price		yver	ge	1	i Pr	ice			

nformation believed to be accurate but subject to verification by all parties.

Note: Properties could be removed by viewing the detail and clicking on the "Un CMA" button

```
II. QUERY RULES
 Use these rules to establish SQL criteria:
 Note: If listed property ( ML# load ) or optional Price Range entered
       by agent, use price as indicated below. If no Price Range,
       substitute Heated Sq Ft for Price Range and make sure Heated Sq Ft
       is not used twice in the query.
 R ACTV
 If sub-division#"N/A"
     If count for type and sub-division ( in same area(s) ) and
     acre< Subject acre+/-1 and price = subject price +/-20% > 9
      as area = sub-division ( in same area(s) )
     else
        If count for type and (area and sub_area and sip_code) and
        acre< Subject acre+/-1 and price = subject price +/-20% > 9
          as_area = area and sub-area and sip_code
        else
           If count for type and (area and sub_area ) and acre< Subject
           acre+/-1 and price = subject price +/-20% > 9
             as_area = area and sub-area
           else
             as area = area
     endif
 else
     If count for type and (area and sub_area and sip_code) and
     acre< Subject acre+/-1 and price = subject price +/-20% > 9
       as_area = area and sub-area and sip_code
     else
        If count for type and (area and sub_area ) and acre< Subject
        acre+/-1 and price - subject price +/-20% > 9
          as_area = area and sub-area
        else
          as area - area
        endif
     andif
 andif
```